



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M. Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137)U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460.Do not send the form to this address.

DATA MATRIX

Date	May 20, 2020	EPA Reg. No./File Symbol	64881-2	Page 1 of 4	
Applicant's/Registrant's Name & Address		Product			
Aegis Environmental Management, Inc. 11400 Vanstory Drive Huntersville, NC 28078		AEM 5772 ANTIMICROBIAL			
Ingredient (107401) 1-Octadecanaminium, N,N-dimethyl-N-(3-(trimethoxysilyl)propyl)-, chloride (EP)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.1550 (61-1)	Product Identity and Composition	50520301	Aegis Environmental Management, Inc.	OWN	
830.1600 (61-2a)	Description of Materials Used to Produce the Product	50520301	Aegis Environmental Management, Inc.	OWN	
830.1620 (61-2b)	Description of Production Process	50520301	Aegis Environmental Management, Inc.	OWN	
830.1650 (61-2b)	Description of Formulation Process	50520301	Aegis Environmental Management, Inc.	OWN	
830.1670 (61-3)	Discussion of Formation of Impurities	50520301	Aegis Environmental Management, Inc.	OWN	
830.1700 (62-1)	Preliminary Analysis	48281802	Aegis Environmental Management, Inc.	OWN	
830.1700 (62-1)	Preliminary Analysis	48281803	Aegis Environmental Management, Inc.	OWN	
830.1750 (62-2)	Certified Limits	50520301	Aegis Environmental Management, Inc.	OWN	
830.1800 (62-3)	Enforcement Analytical Method	50445004	Aegis Environmental Management, Inc.	OWN	
830.1900 [64-1]	Submittal of Samples	n/a			<sup>1</sup>
830.6302 (63-2)	Color	50520302	Aegis Environmental Management, Inc.	OWN	
830.6303 (63-3)	Physical state	50520302	Aegis Environmental Management, Inc.	OWN	

<sup>1</sup> Samples may be submitted upon request

Signature		Name and Title	Date
		Tony Herber , Agent	5/20/2020



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Ingredient (107401) 1-Octadecanaminium, N,N-dimethyl-N-(3-(trimethoxysilyl)propyl)-, chloride (EP)					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.6304 (63-4)	Odor	50520302	Aegis Environmental Management, Inc.	OWN	
830.6313 (63-13)	Stability to Normal and Elevated Temperature Metals and Metal Ions	n/a			<sup>2</sup>
830.6314 (63-14)	Oxidation /Reduction: Chemical Incompatibility	48281804	Aegis Environmental Management, Inc.	OWN	
830.6315 (63-15)	Flammability	48281804	Aegis Environmental Management, Inc.	OWN	
830.6316 (63-16)	Explosibility	51157401	Aegis Environmental Management, Inc.	OWN	
830.6317 (63-17)	Storage Stability	50520303	Aegis Environmental Management, Inc.	OWN	
830.6319 (63-19)	Miscibility	51157401	Aegis Environmental Management, Inc.	OWN	
830.6320 (63-20)	Corrosion Characteristics	50520303	Aegis Environmental Management, Inc.	OWN	
830.6321 (63-21)	Dielectric Breakdown Voltage	n/a			<sup>3</sup>
830.7000 (63-12)	pH	48281804	Aegis Environmental Management, Inc.	OWN	

<sup>2</sup> Not required: TGAI not expected to contact metal ions

<sup>3</sup> Not required: product is not for use around electrical equipment

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Ingredient	(107401) 1-Octadecanaminium, N,N-dimethyl-N-(3-(trimethoxysilyl)propyl)-, chloride (EP)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7050 [None]	UV/Visible Absorption	n/a			4
830.7100(63-18)	Viscosity	48281804	Aegis Environmental Management, Inc.	OWN	
830.7200 (63-5)	Melting Point/ Melting Range	n/a			4
830.7220 (63-6)	Boiling Point/Boiling Range	n/a			4
830.7300 (63-7)	Density/ Relative Density/Bulk Density	48281804	Aegis Environmental Management, Inc.	OWN	
830.7370 (63-10)	Dissociation Constants in Water	n/a			5
830.7520 [None]	Particle Size Fiber Length and Diameter Distribution	n/a			6
830.7550 (63-11)	Partition Coefficient (n-Octanol/Water) Shake Flask Method	n/a			4
830.7560 (63-11)	Partition Coefficient (n-Octanol/Water) Generator Column Method	n/a			4
830.7570 (63-11)	Partition Coefficient (n-Octanol/Water) Estimation By Liquid Chromatography	n/a			4

<sup>4</sup> Not required for EP/MUP

<sup>5</sup> Not required: Product does not contain acid or base functionality

<sup>6</sup> Not required for liquid products

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Ingredient	(107401) 1-Octadecanaminium, N,N-dimethyl-N-(3-(trimethoxysilyl)propyl)-, chloride (EP)				
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7840 (63-8)	Water Solubility: Column Elution Method; Shake Flask Method	n/a			<sup>7</sup>
830.7860 (63-8)	Water Solubility (Generator Column Method)	n/a			<sup>7</sup>
830.7950 (63-9)	Vapor Pressure	n/a			<sup>7</sup>
870.1100 (81-1)	Acute oral toxicity, rat	49997801	Piedmont Chemical Industries I, Inc.	PAY	
870.1200 (81-2)	Acute dermal toxicity, rat	49997801	Piedmont Chemical Industries I, Inc.	PAY	
870.1300 (81-3)	Acute inhalation toxicity, rat	49997801	Piedmont Chemical Industries I, Inc.	PAY	
870.2400 (81-4)	Primary eye irritation, rabbit	49997801	Piedmont Chemical Industries I, Inc.	PAY	
870.2500 (81-5)	Primary dermal irritation, rabbit	49997801	Piedmont Chemical Industries I, Inc.	PAY	
870.2600 (81-6)	Dermal Sensitization, guinea pig	49997801	Piedmont Chemical Industries I, Inc.	PAY	

<sup>7</sup> Not required for EP/MUP

Signature		Name and Title	Tony Herber , Agent	Date	5/20/2020
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